

## FORM PTO-1449

Attorney Docket:  
0769-4582US1Serial No.:  
09/209,932INFORMATION DISCLOSURE CITATIONApplicant:  
BAHAR et al.Examiner:  
Not Yet AssignedFiling Date:  
July 8, 1998Group Art Unit:  
~~1774~~ 1771

## U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Sub-Class	Filing Date
BC	4,311,567	1/19/82	White	1	—	—
↓	4,433,082	2/21/84	Grot	—	—	—
↓	4,528,083	7/9/85	LaConti et al.	—	—	—
↓	5,041,195	8/20/91	Taylor et al.	—	—	—
↓	5,133,842	7/28/92	Taylor et al.	—	—	—
↓	5,183,713	2/2/93	Kunz	—	—	—
BC	5,350,643	9/27/94	Imahashi et al.	—	—	—

## FOREIGN PATENT DOCUMENTS

Document Number	Date	Country	Class	Sub-Class	Translation Yes/No

## OTHER DOCUMENTS (Including Author, Title, Date, etc.)

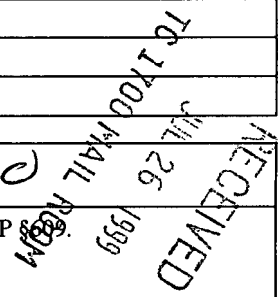

Examiner

BCJL

Date Considered

1/2000

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP § 809.02. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.



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Examiner Initial		Document Number	Date	Name	Class	Sub-Class	Filing Date
	A						
	B						
	C						
	D						
	E						
	F						
	G						
	H						
	I						
	J						
	K						

**FOREIGN PATENT DOCUMENTS**

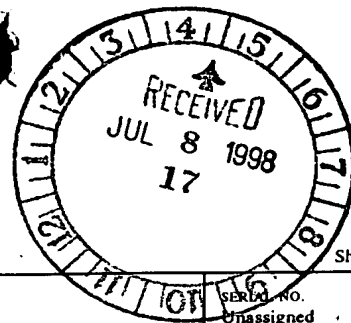
		Document Number	Date	Country	Class	Sub-Class	Translation
BC	L	H6-29032	2/4/94	Japan	—	—	Yes
	M						Yes No
	N						Yes No
	O						Yes No
	P						Yes No

**OTHER (Including Author, Title, Date, Pertinent Pages, etc.)**

	R		
	S		
	T		

**RECEIVED**  
 1/PR C 6 1999  
 GPO ID 1700

Examiner <i>BC/L</i>	Date Considered <i>1/2000</i>
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FORM PTO-1449		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. 0769-4582 US1		SERIAL NO. Unassigned		Sheet 1 of 2						
<b>INFORMATION DISCLOSURE CITATION</b> <i>(Use several sheets if necessary)</i>				APPLICANT Bamdad BAHAR et al.				09/209932						
				FILING DATE July 8, 1998				GROUP 1771						
<b>PATENT DOCUMENTS</b>														
EXAMINER INITIAL		DOCUMENT NUMBER							DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
BC	A	5	1	9	0	8	1	3	3-93	Ohashi et al.	428	319	—	
	B	3	6	9	2	5	6	9	9/72	Grot	—	—	—	
	C	4	3	4	1	6	1	5	7/82	Bachot et al.	204	296	—	
	D	4	4	5	3	9	9	1	6/84	Grot	156	94	—	
	E	4	6	0	4	1	7	0	8/86	Miyake et al.	204	98	—	
	F	4	8	6	5	9	2	5	9/89	Ludwig et al.	429	12	—	
	G	4	9	0	2	3	0	8	2/90	Mallouk et al.	55	16	—	
↓	H	4	9	5	4	3	8	8	9/90	Mallouk et al.	428	198	—	
BC	I	5	0	8	2	4	7	5	1/92	Mallouk et al.	55	16	—	
<b>FOREIGN PATENT DOCUMENTS</b>														
		DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO	
BC	6	5	7	5	8	3	5		10/21/93	Japan	—	—	—	—
↓		51	7	1	8	8	8		6/22/76	Japan	—	—	—	—
↓		91	1	4	0	2	1		9/19/93	PCT	—	—	—	—
BC		62	2	4	0	6	2	7	9/87	Japan	—	—	—	—
<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Papers, Etc.)</b>														
BC		Article, Liu et al. "Ion Transporting Composite Membranes", J. Electrochem. Soc., Vol. 137, No. 2, 2/90.												
BC		Reginald M. Penner, Charles, R. Martin. "Ion Transporting Composite Membranes, Journal Electrochem Soc., Vol. 132 #2, Feb. 1985												
EXAMINER <i>BC</i>														
DATE CONSIDERED <i>4/2000</i>														
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